

**ABSTRACT**

A system for making interconnections between an input/output module and a first device and a second device wherein the system uses standard cables and connectors. The input/output module includes a standard first connector for making connection with a standard first transmission line cable for conveying signals between the module and the first device, and at least one second connector, with such second connector connecting to a first end of a second standard cable. A second end of the second standard cable includes a standard cable connector for making connection to a corresponding connector of the second device. The input/output module is configured to contain programmable logic for making the required connections between the module and the first and second devices.